

# CARLETON UNIVERSITY

CONVOCATION  
for the  
CONFERRING OF DEGREES



OTTAWA  
FRIDAY, NOVEMBER 3, 1967



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DR. ENGLISH:

Will the sponsor for the doctoral candidate in  
Biology please present him.

DR. ILLMAN:

Mr. Dean, I am pleased to present John Murray  
McLaughlan, a Bachelor of Science of Macdonald  
College and a Master of Science of McGill University,  
who has successfully completed his course of studies  
and research in microbiology and amino acid  
nutrition.

DR. ENGLISH:

Mr. Chancellor, I have the honour to present  
Mr. McLaughlan who has successfully completed his  
course of study prescribed by the Senate of this  
University for the degree of Doctor of Philosophy  
and I request that you confer this degree upon him.

CHANCELLOR:

By virtue of the authority vested in me as  
Chancellor of this University I grant the degree  
of Doctor of Philosophy to this candidate.

MR. CHAIRMAN:

Will the sponsor for the doctoral candidate in  
Biology please present him.

MR. CHAIRMAN:

Mr. Dean, I am pleased to present John Henry  
McLaughlin, a Bachelor of Science of Woodbury  
College and a Master of Science of McGill University,  
who has successfully completed his course of studies  
and research in microbiology and whose work  
merits.

MR. CHAIRMAN:

Mr. Chancellor, I have the honor to present  
Mr. McLaughlin who has successfully completed his  
course of study prescribed by the Board of this  
University for the degree of Doctor of Philosophy  
and I request that you confer this degree upon him.

MR. CHAIRMAN:

By action of the authority vested in me as  
Chancellor of this University I grant the degree  
of Doctor of Philosophy to this candidate.

DR. ENGLISH:

Mr. Chancellor, as Mohammad Yaqub Javaid has successfully completed the course of study in Biology set forth by the Senate of this University for the degree of Doctor of Philosophy, I request that you confer this degree in absentia upon him.

CHANCELLOR:

By virtue of the authority vested in me as Chancellor of this University, I grant the degree of Doctor of Philosophy in absentia to MOHAMMAD Yaqub Javaid.

Dr. Smith:

Mr. Chancellor, as document shows that

necessarily completed the course of study in

degree not forth by the State of this University

for the degree of Doctor of Philosophy, I request

that you confer this degree in honoris upon him.

CHANCELLOR

in virtue of the authority vested in me as

Chancellor of this University, I grant the degree

of Doctor of Philosophy in honoris to HEINRICH

FRITZ THOMAS.

and I hereby certify that the same has been

conferred in accordance with the laws of this

University and the rules of the Board of Regents.

and I hereby certify that the same has been

CHANCELLOR

in virtue of the authority vested in me as

Chancellor of this University, I grant the degree

of Doctor of Philosophy in honoris to HEINRICH

DR. ENGLISH:

Will the candidates for the degrees of Master of Arts, Master of Science and Master of Engineering please come forward.

Mr. Chancellor, I have the honour to present these candidates who have successfully completed the course of study prescribed by the Senate of this University for the degrees of Master of Arts, Master of Science and Master of Engineering, and I request that you confer these degrees upon them. I would also request that you confer the degree in absentia upon those whose names will not be read but whose names appear on the list.

CHANCELLOR:

By virtue of my authority, I grant the appropriate degrees to these candidates.



1911

will be considered for the purpose of being  
the basis of a new and better of the  
present one. I have the honor to propose that  
the committee be authorized to consider the  
matter of being presented by the House of this  
nature for the purpose of being of this  
nature of the House and House of Representatives  
I request that you consider these matters and  
I would also request that you consider the House  
in the House of Representatives will not be read  
but these matters appear in the list.

1911

By virtue of my authority, I have the honor to  
propose to the House of Representatives.



DR. FAIR:

Will the candidates for the degree of Bachelor of Arts please come forward.

Mr. Chancellor, I have the honour to present those candidates who have successfully completed the course of study prescribed by the Senate of this University for the degree of Bachelor of Arts and I request that you admit them to this degree. I would also request that you admit to the degree of Bachelor of Arts in absentia those whose names will not be read but whose names appear on the list.

CHANCELLOR:

I admit these candidates to the degree of Bachelor of Arts.

1871

will be considered for the degree of Bachelor of  
Science and Arts.  
In addition, I have the honor to present to you  
a list of the names of the persons who have  
been recommended by the Senate of this  
University for the degree of Bachelor of  
Science and Arts. I request that you will  
be good enough to send me a list of the  
names of the persons who you wish to be  
admitted to the degree of Bachelor of  
Science and Arts in addition to those  
names who are already on the list.  
Very respectfully,  
Your obedient servant,  
J. H. [Signature]

I enclose herewith to the degree of Bachelor  
of Science and Arts.

DR. MESBITT:

Will the candidates for the degree of Bachelor of Science please come forward.

Mr. Chancellor, I have the honour to present those candidates who have successfully completed the course of study prescribed by the Senate of this University for the degree of Bachelor of Science, and I request that you admit them to this degree. I would also request that you admit to the degree of Bachelor of Science in absentia those whose names will not be read but whose names appear on the list.

CHANCELLOR:

I admit these candidates to the degree of Bachelor of Science.

10-11-17

Will the candidates for the degree of Bachelor of

Arts please come forward.

Mr. Chancellor, I have the honor to present these

candidates who have successfully completed the

course of study prescribed by the Senate at this

University for the degree of Bachelor of Arts.

and I request that you admit them to this degree.

I would also request that you admit to the degree

of Bachelor of Science in Chemistry those who

have not yet been admitted to this degree.

Very truly,  
Your obedient servant,  
Chancellor

I will have candidates on the degree of Bachelor

of Science.

DR. FARR:

Will the candidates for the degree of Bachelor of Commerce please come forward.

Mr. Chancellor, I have the honour to present those candidates who have successfully completed the course of study prescribed by the Senate of this University for the degree of Bachelor of Commerce, and I request that you admit them to this degree. I would also request that you admit to the degree of Bachelor of Commerce in absentia those whose names will not be read but whose names appear on the list.

CHANCELLOR:

I admit these candidates to the degree of Bachelor of Commerce.





DR. FARR:

Will the candidates for the degree of Bachelor of Journalism please come forward.

Mr. Chancellor, I have the honour to present those candidates who have successfully completed the course of study prescribed by the Senate of this University for the degree of Bachelor of Journalism, and I request that you admit them to this degree. I would also request that you admit to the degree of Bachelor of Journalism in absentia those whose names will not be read but whose names appear on the list.

CHANCELLOR:

I admit these candidates to the degree of Bachelor of Journalism.



subject to the terms and conditions set forth in the

*Journal of the American Statistical Association*

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

and the other two are the same as in the previous case.

1941 to 1945, and in 1946 to 1950.

responsibility for the success or failure of the project.

Seventy-eight of 2001 shale core tube sections 3 in.

...and the ...

and the other two are the same as the first two.

2012

shall then contribute to the change of position

DR. RUPTASH:

Will the candidates for the degree of Bachelor of Engineering please rise.

Mr. Chancellor, I have the honour to present those candidates who have successfully completed the course of study prescribed by the Senate of this University for the degree of Bachelor of Engineering, and I request that you admit them to this degree. I would also request that you admit to the degree of Bachelor of Engineering in absentia those whose names will not be read but whose names appear on the list.

CHANCELLOR:

I admit these candidates to the degree of Bachelor of Engineering.

10. 10. 1910

With the committee for the degree of Bachelor of

Engineering please send

Dr. Charles, I have the honor to inform that

committee has been successfully completed the

course of study prescribed by the Board of this

University for the degree of Bachelor of Engineering.

and I request that you advise them to this effect.

I shall also request that you advise on the degree

of Bachelor of Engineering in Chemical Engineering

which will not be sent but whose name appears on

the list.

Very truly yours,

I wish them to be included in the degree of Bachelor

of Engineering.

DR. MACFARLANE:

Will the candidates for the Graduate Diploma  
in Public Administration please come forward.

Mr. Chancellor, I have the honour to present  
those candidates who have successfully completed  
the course of study prescribed by the Senate of  
this University for the Graduate Diploma in  
Public Administration.

I would also request that you grant the Graduate  
Diploma in Public Administration in absentia  
to those whose names will not be read but whose  
names appear on the list.

CHANCELLOR:

I am pleased to receive those students who have  
successfully completed this course of study.

I would also request that you grant the students  
 rights to public demonstration by signers  
 and that these rights will not be used but when  
 they are used on the 15th.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

DR. MACFARLANE:

Mr. Chancellor, I have the honour to advise you  
that Edward Lewis Taylor has successfully completed  
the course of study prescribed by the Senate of  
this university for the Certificate in Public  
Service Studies.

[illegible]



# ORDER OF PROCEEDINGS

Chancellor C. J. MACKENZIE, C.C., C.M.G., M.C., F.R.S., presiding

## PROCESSIONAL MUSIC: Processional Improvisation

John Churchill, B.Mus. London, F.R.C.O., G.R.S.M., L.R.A.M., A.R.C.M., Associate Professor of Music, Carleton University

## O CANADA

INVOCATION by John J. Kelly, O.M.I., M.A., D. de l'U de Paris,

Dean of St. Patrick's College division of the Faculty of Arts of Carleton University

## ADDRESS OF THE PRESIDENT AND VICE-CHANCELLOR

A. D. Dunton, LL.D., D.Sc.

## CONVOCATION CHOIR

Conducted by John Churchill

Accompanied by Jean Trevelyan, F.R.C.O., A.R.C.M., L.R.A.M.

Three Canadian Folk Songs .....arr. John Churchill

Les trois canes (Nova Scotia)

Ave Maris stella (Acadie)

I'se the b'y (Newfoundland)

## CONFERRING OF DEGREES BY EXAMINATION

### CONFERRING OF THE DEGREE OF DOCTOR OF LAWS *honoris causa* upon

MRS. ADELAIDE SINCLAIR, O.B.E., M.A., LL.D., D.Sc.Soc., L.H.D.

*former Deputy Director United Nations Children's Fund*

SIR PHILIP SHERLOCK, C.B.E., B.A., Hon. LL.D.

*Vice-Chancellor, University of the West Indies*

## CONVOCATION ADDRESS

SIR PHILIP SHERLOCK

## GOD SAVE THE QUEEN

## RECESSIONAL MUSIC

Grand Choeur en Ré (Op. 18).....Alexandre Guilmant (1837-1911)

Jean Trevelyan

- The President's Reception for participants and their friends will be held after the Convocation in the foyer of the H. M. Tory Science Building, Carleton University.

# RECIPIENTS OF DEGREES

## DOCTOR OF PHILOSOPHY

Presented by Professor H. E. English, Acting Dean of the Faculty of Graduate Studies

MOHAMMAD Y. JAVAI	Lahore, Pakistan	Biology
B.Sc., M.Sc. (Panjab Univ.)		"Some factors affecting the temperature selection of three species of Salmonids".
JOHN MURRAY McLAUGHLAN	Ottawa	Biology
B.Sc., M.Sc. (McGill)		"Blood Amino Acid Studies".

## MASTER OF ARTS

Presented by Professor H. E. English, Acting Dean of the Faculty of Graduate Studies

PETER ROBERT ANDERSON	Ottawa	International Affairs
B.A. (Toronto)		"The Soviet View of the U.N. as a Mechanism for Preserving Peace".
WILLIAM M. BAKER	Toronto	History
B.A. (Toronto)		Degree by course work.
ADAIR J. BANERD	Ottawa	Public Administration
B.A. (U.B.C.)		Degree by course work.
BARBARA BOOTH BRADLEY	Ottawa	Psychology
B.A. (Carleton)		"Color form preference and probability of deaf and hearing children".
THERESE COURNOYER	Ottawa	French
B.A., B.Ped. (Univ. of Montreal)		Degree by course work.
NORMAN W. P. COX	Eugene, Oregon	Psychology
B.Sc. (Liverpool)		"Effect of familiarization pretraining with random shapes on same-different judgment times".
ALAN H. EBERST	Middlesex, England	Political Science
B.A. (Manchester)		"The Mother and Child Affair: A Study of Pressure Group Activity in Ireland".
DAVID A. GRIMES	Ottawa	International Affairs
B.A. (Western Ontario)		"United Nations Efforts to Implement Sanctions Against South Africa, Portugal and Rhodesia".
CAROL DICKENSON ISLAM	Plattsburgh, N.Y.	Psychology
B.A. (Queen's)		"Two Stages of Paired Associates Learning as a Function of Intralist Response 'Meaningful' Similarity".
THOMAS EDWARD HANNAH	Kingston, Ont.	Psychology
B.A. (Carleton)		"Monitoring Eye Movements of High—and Low—Anxiety Subjects during the Acquisition of Competitive and Non-Competitive Paired Associate Lists".
PHYLLIDA A. KENT	Ottawa	English
B.A. (Carleton)		"A Study of the Structure of Thoreau's Week on the Concord and Merrimack Rivers".

DAVID B. LAVOIE	Ottawa	English
B.A. (Ottawa Univ.)		"Georgians and War Poets: Two Approaches to Poetry".
MALCOLM L. MARTINI	Cooksville, Ont.	Public Administration
B.A. (Toronto)		"Welfare Grants to Ontario Municipalities".
WILLIAM P. MCCREARY	Barrie, Ont.	International Affairs
B.A. (R.M.C.)		"Greenland and North American Defence".
TERENCE M. MCFAY	Maniwaki, Que.	French
B.A. (St. Patrick's)		Degree by course work.
JOHN FRANCIS POSTMA	Ottawa	Political Science
B.A. (St. Augustine's, Toronto)		"Between the 'Heeney Report' and the Civil Service Act of 1961".
NICHOLAS P. PSILINAKIS	Ottawa	Psychology
B.Sc. (McGill)		"Pentobarbital—Induced dissociation in spatial and brightness discrimination tasks in a Thompson Box".
ELVA RICHARDS	Prescott, Ont.	History
B.A. (Queen's)		Degree by course work.
CARL D. RUPPEL	Ottawa	Public Administration
B.A.Sc., M.B.A. (Toronto)		"The Management of Cross-Cultural Volunteer Aid Programs".
HARVEY SHULMAN	Montreal, Que.	Political Science
B.A. (Sir George Williams)		"Political Parties in Quebec as Represented in the Social Background of the Legislative Assembly".
MORINE B. SMITH	Ottawa	English
B.A. (Saskatchewan)		"The Magician Figure in the Novels of John Cowper Powys".
PETER CHARLES STEWART	Ottawa	Psychology
B.A. (Carleton)		"The Relations between Anxiety, Social Desirability and Paired-Associates Learning".
JOHN R. THERA	Regina, Sask.	Public Administration
B.Comm. (Saskatchewan)		Degree by course work.
ROBERT A. VAISON	Ottawa	Public Administration
B.A., B.Comm. (Sir George Williams)		"The Achievement of Collective Bargaining in The Canadian Federal Public Service".
JENNIFER WATERMAN	Surrey, England	English
B.A. (Keele Univ.)		"The Relationship between Poe's developing Aesthetic Theory and Personal Taste, and the Creations and Revisions of the Poetry".
PAMELA CHRISTINE WHITELEY	Yorkshire, England	History
B.A. (Hull)		Degree by course work.
KARL A. WUST	Ottawa	Economics
B.A. (McGill)		"Debt Management Canadian Provinces, 1954-65".

## MASTER OF SCIENCE

Presented by Professor H. E. English, Acting Dean of the Faculty of Graduate Studies

DAVID CHARLES KERRIDGE.....	Victoria, B.C.....	Biology
B.Sc. (Victoria)		"The Taxonomic Separation of two Sympatric forms of <i>Peromyscus</i> in south-eastern Ontario".
DIETER RIEDEL.....	Kocherstr, Germany.....	Biology
B.A. (Carleton)		"Effects of environmental temperature on the body temperature, oxygen consumption and survival of two species of <i>Peromyscus</i> (Rodentia: Cricetidae)".
ALAN L. SANGSTER.....	Digby, N.S.....	Geology
B.Sc. (Western)		"Metamorphism of the New Calumet Sulphide Deposit, Quebec".

## MASTER OF ENGINEERING

Presented by Professor H. E. English, Acting Dean of the Faculty of Graduate Studies

LEONARD THOMAS BRUTON.....	Ottawa .....	Electrical
B.Sc. (Eng.) (London)		"Techniques of Gyration Realization".
YING-TEH CHEN.....	Taiwan, China.....	Civil
B.Sc. (Eng.) (Taiwan)		"An Analysis of Time-Dependent Behaviour of Pine-Ended Reinforced Concrete Beam-Columns".
WILLIAM ALAN DALGLIESH.....	Ottawa .....	Civil
B.Sc. (Alberta)		"Wind Gust Pressures on Buildings".
WILLARD ROLAND DAVIS.....	Ottawa .....	Mechanical
B.Eng. (Carleton)		"The Numerical Solution of the Radial-Equilibrium Equation for Swirling Flow in Arbitrarily Shaped Ducts".
MICHAEL JOHN HAMER.....	Ottawa .....	Mechanical
B.Eng. (Carleton)		"Pressure Distribution on Rotating Disks: Redesign of the Test Facility and Further Studies of the Mean Pressure Field".
WILLIAM THOMAS HANCOX.....	Etobicoke, Ont.....	Mechanical
B.Eng. (Carleton)		"The Design of an Annular Wind Tunnel for the Study of Swirling Flows".
ADESH CHANDRA JAIN.....	Kanpur, India.....	Electrical
B.Eng. (Indian Institute of Science)		"A Dynamic Model of a System Consisting of a Ship, A Propeller and the Water".
DAVID GRAHAM JARDINE.....	Ottawa .....	Electrical
B.Sc. (Durham University)		"The Pulse Amplitude Modulation Capability of Voice Quality Circuits".
SATISH KUMAR KAURA.....	Kanpur, India.....	Electrical
B.Tech. (Indian Institute of Tech.)		"Study of Core Diode Magnetic Logic".
GEORGE FREDERICK KLEIN.....	Ottawa .....	Electrical
B.Eng. (Carleton)		"A Scanning Radiation Detection System for Compensation in Radiotherapy".
MICHAEL KENNEDY LAMBERT.....	Ottawa .....	Electrical
B.Eng. (Carleton)		"A Simple Pulse Communications Receiver".
JOSEPH NICHOLAS MAKSYM.....	Ottawa .....	Electrical
B.A.Sc. (Toronto)		"A Study of an Adaptive Receiver for Interfering Pulses in Noise".

THOMAS GARY O'NEILL	Ottawa	Electrical
B.A.Sc. (Toronto)		"An Investigation of Computer Control in Shipboard Helicopter Landing".
JOHN GRABURN STORR	Ottawa	Electrical
B.Eng. (Carleton)		"Some Aspects of Autocorrelation Function and Power Spectrum Measurement".
CHARLES ROBERT THOMPSON	Ottawa	Mechanical
B.Sc. (Eng. Physics) (Alberta)		"Pneumatic Control Systems (Analysis, Modification and Calibration of Five Selected Systems)".
REGINALD STANLEY WALLACE	Ottawa	Civil
B.A.Sc. (Toronto)		"Structural Analysis and Evaluation of Asphalt Overlaid Soil-Cement Airfield Pavement".
IMRE ZIMONYI	Ottawa	Electrical
B.A.Sc. (British Columbia)		"Theoretical Study of a Broadband Matching Device at Microwave Frequencies".

## BACHELOR OF ARTS

Presented by Professor D. M. L. Farr, Dean of the Faculty of Arts

### BACHELOR OF ARTS (with Honours)

BARBARA SHARON BATT	Ottawa	(High Second Class Honours in Psychology)
JACQUELINE DIANE BROWN	Ottawa	(High Second Class Honours in Political Science)
JOHN GORDON DAVIS	Ottawa	(Second Class Honours in Geography)
IVY ROSINA HEWIS	Ottawa	(First Class Honours in Spanish)
LAWRENCE WILLIAM JONES	Dundas, Ont.	(Second Class Honours in English)
PETER KEAR	Lanark, Ont.	(Second Class Honours in History)
ROBERT JOSEPH LACKENBAUER	Ottawa	(Second Class Honours in English and History)
BERNARD LACOME	Toronto, Ont.	(Second Class Honours in Psychology)
ROBERT WILLIAM LAMBLE	Ottawa	(High Second Class Honours in Psychology)
WILLIAM ROBERT MAINER	Peterborough, Ont.	(Second Class Honours in English)
ROBERT BURNS McDONALD	Ottawa	(Second Class Honours in Geography)
IAIN HOWELL McKELLAR	Ottawa	(High Second Class Honours in English)
TREVOR SCOTT RAYMOND	Sioux Lookout, Ont.	(Second Class Honours in Political Science and History)
MARILYN DAWN REMUS	Pembroke, Ont.	(High Second Class Honours in English and French)
FRANK JOHN SCHILLING	Pembroke, Ont.	(Second Class Honours in History)
JEFFREY SAYRE STEEVES	Ottawa	(Second Class Honours in Political Science)
MARION EVELYN VAUGHAN	Richmond, Ont.	(High Second Class Honours in History)
DAVID HUGH WILSON	Ottawa	(High Second Class Honours in Political Science)

### BACHELOR OF ARTS

DOROTHY ELEANOR AASS	Manotick, Ont.	JANET HOLDEN BLAIR	Ottawa
LOIS-TERRI ALLISTER	Montreal, Que.	ROBERT WALLACE BORROWMAN	Ottawa
ALICE MAUREEN ALYEA	Belleville, Ont.	RUTH MARIE BRAUN	Kitchener, Ont.
BRUCE MAXWELL ANDERSON	Ottawa	SUSAN CATHERINE BROWN	Toronto, Ont.
JAMES PENROSE ANGLIN	Montreal, Que.	DAVID ALEXANDER BROWNING	Ottawa
GEORG MICHAEL BALLHAUSEN		KENNETH ROY BURCHILL	Kemptville, Ont.
Am Kracherwald, Germany		BARBARA RUTH BURTON	Brampton, Ont.
FLORENCE MAE BARCLAY	Winchester, Ont.	MARY-LYNN CAMPBELL	Ottawa
REX HERBERT BEECROFT	Ottawa	BRUCE ALEXANDER CARSON	Ottawa
LEO VERN BILAN	North Bay, Ont.	JOHN JAMES CARSON	London, Ont.
JOHN BLAIR BIRKETT	Ottawa	STEPHEN MURRAY CHESINE	Trenton, Ont.



EVE MARIE CONLIFFE.....	Pakenham, Ont.	JAMES WAYNE MUSSELL.....	Winchester, Ont.
ANN-MARIE LOUISE THERESE DE VOS....	Ottawa	KENNETH RONALD NEWMAN..	Kirkland Lake, Ont.
NORMA JOYCE DILABIO.....	Renfrew, Ont.	KENNETH DWIGHT NILES.....	Ottawa
MICHEL N. DUGAL.....	Sherbrooke, Que.	BARBARA ANNE MARY O'BRIEN.....	Ottawa
DAVID RUSSELL DUNLOP.....	Ottawa	JOSEPH VICTOR PARKER.....	Ottawa
IVAN ERDODY.....	Ottawa	BARBARA GRACE PATTERSON.....	Arvida, Que.
NORA ELEANOR FISHBAIN.....	Ottawa	RONALD WELLS PATTISON.....	Ottawa
RICHARD GRANT GILLARD.....	Ottawa	CAROLYN ANN PETCH.....	Ottawa
ROBERT DOUGLAS GRAY.....	Ottawa	DAVID WILLIAM PIERCE.....	Ottawa
ROBERT NEAL GRIDGEMAN.....	Ottawa	TERRENCE ANTOINE PLATANA....	Manotick, Ont.
HARVEY LEWIS HAMBURG.....	St. John, N.B.	MARILYN RUTH POTTS.....	Vancouver, B.C.
PAUL HERBERT.....	London, Ont.	BETHSHEVA ROODMAN.....	Ottawa
ALLAN PETER MACPHAIL IMESON.....	Ottawa	FRED MEDD SAMBA.....	Sierra Leone
EUGENIE RUTH INEES.....	Ottawa	JEFFREY WILFRED SANDERS.....	Toronto, Ont.
NEVILLE GARTH JAMES.....	Coleville, Jamaica	MARJORIE SARAZEN.....	Ottawa
ROSS HAROLD JARRETT.....	Ottawa	ARNOLD HANS RUDOLF SCHAEFER..	Sudbury, Ont.
DOUGLAS B. JODOIN.....	Brockville, Ont.	PATRICIA ANN SCOTT.....	Ottawa
ANDREW GEORGE JONES.....	Bury, Que.	ELIZABETH LEONARD SENECAL..	Manchester, Mass.
GEORGE RAYMOND JONES.....	Ottawa	JOHN ADEBAYO SLOWE....	Freetown, Sierra Leone
BRUCE ROBERT KEITH.....	Ottawa	EMILE GEORGE SMILEY.....	Ottawa
GEORGINA RUMBLE KILFOYLE.....	Toronto, Ont.	GARY PAIGE SOLEY.....	Ottawa
BARBARA LOUISE LAMBROUGHTON.....	Ottawa	BRIAN DAVID STEDMAN.....	Ottawa
HILDA KATE LANE.....	Hull, Que.	JANET ELIZABETH STEWART.....	Renfrew, Ont.
MICHAEL THOMAS LAROCHE.....	Ottawa	FRANK NELSON STRANG.....	Ottawa
BURTON LIVINGSTON LEATHERS.....	Ottawa	DAVID ANTHONY STUART.....	Bedford, N.S.
KAREN LYNNE LIGGETT.....	Ottawa	BARBARA JANE TENNANT.....	Ottawa
JOHN MERVYN MACAULAY.....	Obodo, Manitoba	FRANKIE ANNA TOPOROWSKI.....	Ottawa
GERTRUDE ISABEL MACCRIMMON..	Dalkeith, Ont.	ROBERT CHARLES TURNER.....	Chesterville, Ont.
MARY FRASER MACDONALD.....	Ottawa	EDWARD ESSEN UNANG.....	Sarawak, Malaysia
MICHAEL BRUCE MACPHERSON.....	Islington, Ont.	JOAN FLORENCE VEALE.....	Kingston, Ont.
SHEILA MARION MAHONEY.....	Ottawa	DOUGLAS H. WAITT.....	Ottawa
DANIEL RAYMOND JOHN MALONEY..	Cornwall, Ont.	RICHARD MANSON WARNER.....	Chelsea, Que.
SHARON ELIZABETH MANION.....	Kanata, Ont.	JOHN DUNCAN WATSON.....	Huntingdon, Que.
RAYMOND ALBERT MARCHAND.....	Cornwall, Ont.	KINGSLEY CARTER WELTON.....	Castleton, Ont.
MICHAEL ROBERT MASON.....	Toronto, Ont.	DONALD CLIFFORD WICKS.....	Stouffville, Ont.
BARBARA ANN MCCAGG.....	Don Mills, Ont.	ROBERT GLEN WIDENMAIER.....	Perth, Ont.
JANET MARILYN MCCARNEY.....	Ottawa	VALERIE JOAN WILKINS.....	Malaga, Spain
JUDITH MARIE MCCUAIG.....	Ottawa	DAVID HARRY WOOD.....	Ottawa
IAN JOHNS McLAREN.....	Ottawa	MALCOLM FRANCIS WRATHELL	
THOMAS KENNETH JOHN MILLAR.....	Ottawa		Carlsbad Springs, Ont.
CRISPIN HENRY LYNDON MORRIS.....	Ottawa	JOHN THOMAS WRIGHT.....	Carleton Place, Ont.
GAYLE ANNE MORRIS.....	Ottawa	WILLIAM CRIGHTON WYMAN.....	Ottawa
BRUCE CALVIN MORROW.....	Metcalf, Ont.	ERIC JAMES YARDLEY.....	Buckingham, Que.
ANTHONY POLYCARP MUNJAN			
	Kuching, Sarawak, Malaysia		

## BACHELOR OF SCIENCE

Presented by Professor H. H. J. Nesbitt, Dean of the Faculty of Science

### BACHELOR OF SCIENCE (with Honours)

KENNETH NORMAN CHILD..... Matheson, Ont. .... (High Second Class Honours in Biology)

### BACHELOR OF SCIENCE

JAMES LEE ARGO.....	Ottawa	<del>ROBERT THOMAS</del> BEGLEY.....	Ottawa
MOHAMMED ABU BAKARR		DANIEL TAI TUNG CHAN.....	Hong Kong
	Malegohun, Sierra Leone	X DAVID ERIC CHAPLIN.....	Manotick, Ont.
ROLAND EDWARD BAKER.....	Deep River, Ont.	X DONALD FERGUS MILLER CLARK....	Picton, Ont.

DR. NESBITT:

Will the candidates for the degree of Bachelor of Science please come forward.

Mr. Chancellor, I have the honour to present those candidates who have successfully completed the course of study prescribed by the Senate of this University for the degree of Bachelor of Science, and I request that you admit them to this degree. I would also request that you admit to the degree of Bachelor of Science in absentia those whose names will not be read but whose names appear on the list.

CHANCELLOR:

I admit these candidates to the degree of Bachelor of Science.





ROBERT CAMERON CLUTE.....Ottawa  
 X NANCY ISABEL COVINGTON.....Ottawa  
 X ANDREW GEORGE DOBRODZICKI.....Ottawa  
 X PETER ANDREW DUCZ.....Ottawa  
 PETER PERRY BRYSON EVERETT.....Ottawa  
 GARY CHARLES FEE.....Ottawa  
 X ROBERT TOWNLEY FRASER.....Cornwall, Ont.  
 ROBERT CHRISTOPHER KIRKBY.....North Bay, Ont.  
 X BLAIR KENNETH MACLAURIN.....Ottawa  
 X DONALD ARTHUR MCKNIGHT.....Ottawa  
 JOHN DOW McRUER.....Ottawa

G. Merrill  
 Assoc. Dec 12  
 July 1970  
 X PETER DONALD MORTENSON.....Scarborough, Ont.  
 DONALD WALTER MURRAY.....Ottawa  
 GLENN NORTHEY PEARSON.....Kanata, Ont.  
 JOSEPH JERRY ROBBINS.....Ottawa  
 X JOHN ROY STEVENSON.....Toronto, Ont.  
 X EDWARD TER HEIJDEN.....Ottawa  
 X PAUL WILLIAM TWIDDY.....Tillsonburg, Ont.  
 RONALD CLIFFORD WHYTE.....Ottawa  
 JEFFREY GORDON WILLIAMS.....Ottawa  
 X JOHN LYALL WORKMAN.....Labrador City, Nfld.  
 HARRY BANFIELD YOUNGHUSBAND.....Ottawa

## BACHELOR OF COMMERCE

Presented by Professor D. M. L. Farr, Dean of the Faculty of Arts

JOHN MICHAEL FINDLAY.....Ottawa  
 GEORGE H. GOWLING.....Ottawa  
 ROBERT JOHN HIXT.....Ottawa  
 GEORGE ALBERT HOYTE.....Victoria, B.C.  
 GEORGE INGLIS.....Chateauguay, Que.

DOUGLAS JOHN LLOYD.....Oshawa, Ont.  
 JOHN SCOTT MALLOCH.....Ottawa  
 ARMAND F. SEMBERA.....Ottawa  
 ALBERT RONALD TANNER.....Ottawa  
 ROGER JAMES WILSON.....Ottawa

## BACHELOR OF JOURNALISM

Presented by Professor D. M. L. Farr, Dean of the Faculty of Arts

CLEMENT EDWARD CHAPPLE....Saanichton, B.C.  
 JOHN STEARNS DAVIDSON.....Lac Guindon, Que.  
 NICOLE MARIE DESCHÊNES.....Ottawa  
 PAULA MARGOT FINE.....Ottawa  
 MARGARET ELLEN GIBB.....Thetford Mines, Que.  
 CAROL ANN KOTLARSKY.....Ottawa

LINDA MARY ALICE MALCOLM....Toronto, Ont.  
 BARRY CHARLES SCOTT.....Montreal, Que.  
 OLIVE MARJORIE SENIOR.....Kingston, Jamaica  
 PATRICIA ANN TRUSTY.....Ottawa  
 PATSY LEUNG PUI-SEE WONG.....Hong Kong

## BACHELOR OF ENGINEERING

Presented by Professor John Ruptash, Dean of the Faculty of Engineering

### BACHELOR OF ENGINEERING (ELECTRICAL)

KLAUS MICHAEL BUECHNER.....Montreal, Que.  
 ROBERT ROY FRASER.....Renfrew, Ont.

RICHARD EDWARD SMITH.....Ottawa  
 ANDRE O. CLENCY TRANQUILLE  
 Rose-Hill, Mauritius

### BACHELOR OF ENGINEERING (MECHANICAL)

JOHN FRASER BENNETT.....Marmora, Ont.

CARL JOHN GUSTAFSON.....St. Jean, Que.

## DIPLOMA IN PUBLIC ADMINISTRATION

Presented by Professor R. O. MacFarlane, Director of The School of Public Administration

VINCENT IMUETINYAN BELLO.....Lagos, Nigeria  
 RONALD WILSON CAMPBELL, B.Sc., M.B.Ch.B. (Glasgow) .....Ottawa  
 DONALD DUHANEY CLARK, B.Sc. (Western) B.Ed. (Dalhousie).....Jamaica, W.I.  
 SIMON YAO GABA, B.A. (Bordeaux).....Accra, Ghana  
 VANNA KANJANAVATEE, B.Soc. (Bangkok).....Dhomburee, Thailand  
 RONALD SMART KEIR, B.Sc. (Glasgow).....Ottawa  
 YUN-LOK KONG, B.S. (Taiwan).....Sabah, Malaysia  
 WILLIAM CHANG-JUI LEE, B.A. (Soachow).....Taipei, China  
 ELLSWORTH OLSON MURRAY, B.A. (Manitoba).....Ottawa  
 CHINTANA SINGHARA, B.A. (Chulalong Korn).....Bangkok, Thailand  
 GEORGE I-MING WU, B.S. (Tom Kang College).....Ottawa

## CERTIFICATE IN PUBLIC SERVICE STUDIES

EDWARD LEWIS TAYLOR.....Ottawa





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